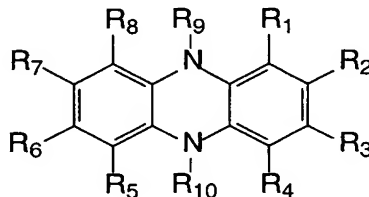


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. Canceled.
2. (Previously Presented) A multilayer electroluminescent device comprising a cathode, an anode, a light emitting layer (LEL) and a layer disposed between the cathode and anode containing a dihydrophenazine compound represented by:



wherein:

R₁ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, or connected to R₂ to form 5 or 6 member rings which may be substituted or unsubstituted;

R₄ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, or connected to R₃ to form 5 or 6 member rings which may be substituted or unsubstituted;

R₅ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl, substituted alkenyl, alkoxy, aryloxy, amino, or connected to R₆ to form 5 or 6 member rings which may be substituted or unsubstituted;

R₈ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, or connected to R₇ to form 5 or 6 member rings which may be substituted or unsubstituted;

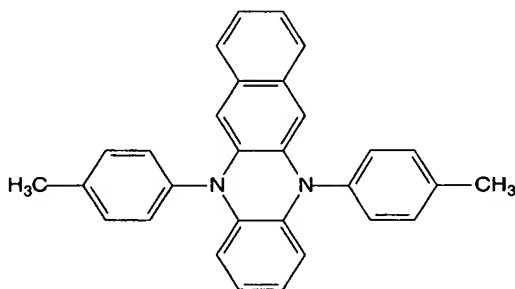
R₂ and R₃ are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, halogen, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, thioaryl, thioalkyl, or connected to form 5 or 6 member rings which may be substituted or unsubstituted;

R₆ and R₇ are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, halogen, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, thioaryl, thioalkyl, or connected to form 5 or 6 member rings which may be substituted or unsubstituted; and

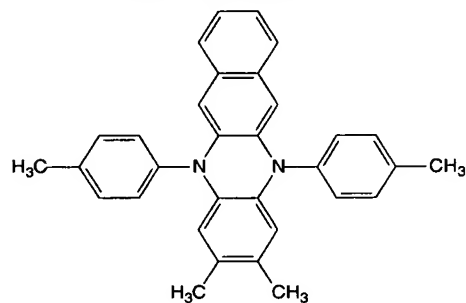
R₉ and R₁₀ are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl;

wherein one of R₁, R₂, R₃, R₄, R₅, R₆, R₇, and R₈, is something other than hydrogen.

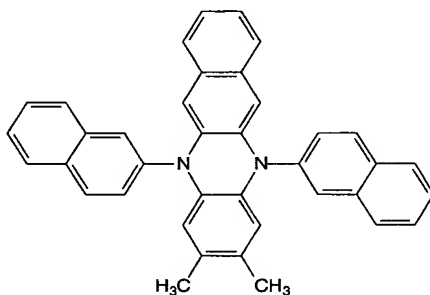
3. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:



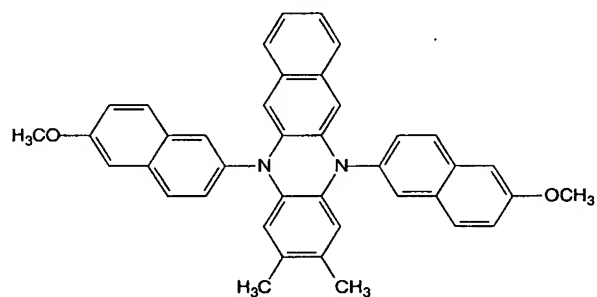
4. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:



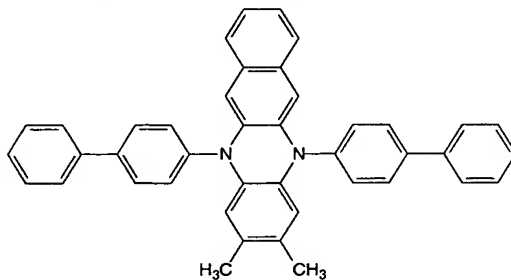
5. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:



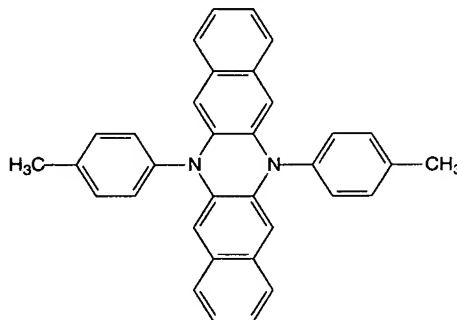
6. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:



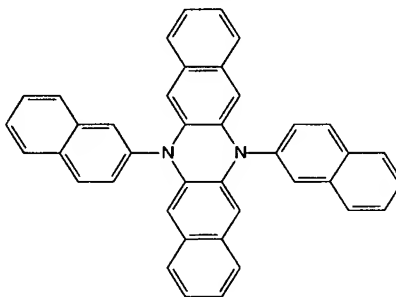
7. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:



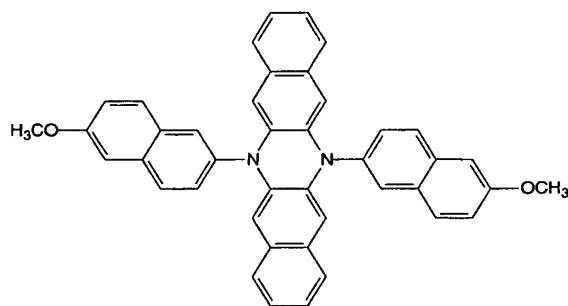
8. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:



9. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:



10. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is of the formula:



11. Canceled.

12. Canceled.

13. Canceled.

14. Canceled.

15. Canceled.

16. Canceled.

17. Canceled.

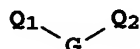
18. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is contained in a layer that is adjacent to the anode.

19. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the anode.

20. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the light emitting layer.

21. (Original) The multilayer electroluminescent device of claim 2 wherein the dihydrophenazine derivative functions to improve hole-transporting and there is present in a layer between the anode and the light emitting layer a second compound that functions to improve hole transporting.

22. (Original) The multilayer electroluminescent device of claim 21 wherein the second compound is represented by:

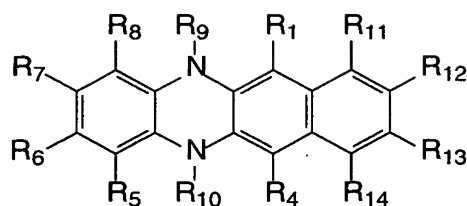


wherein Q_1 and Q_2 are independently selected aromatic tertiary amine moieties and G is a linking group or a bond.

23. (Original) The multilayer electroluminescent device of claim 21 wherein the second compound is contained in the layer adjacent to the light emitting layer.

24. (Original) The multilayer electroluminescent device of claim 21 wherein the second compound is N,N'-di(1-naphthyl)-N,N'-diphenyl-4,4'-diaminobiphenyl or N,N'-di-1-naphthalenyl-N,N'-di-2-naphthalenyl-[1,1'-Biphenyl]-4,4'-diamine.

25. (Previously Presented) A multilayer electroluminescent device comprising a cathode, an anode, a light emitting layer (LEL) and a layer disposed between the cathode and anode containing a dihydrophenazine compound represented by:



wherein:

R₁ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino or connected to R₁₁ to form 5 or 6 member ring systems;

R₄ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino or connected to R₁₄ to form 5 or 6 member ring systems;

R₅ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl, substituted alkenyl, alkoxy, aryloxy, amino, or connected to R₆ to form 5 or 6 member ring systems;

R₆ and R₇ are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, halogen, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, thioaryl, thioalkyl, or connected to form 5 or 6 member ring systems;

R₈ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, or connected to R₇ to form 5 or 6 member ring systems;

R₉ and R₁₀ are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl;

R_{11} is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl, substituted alkenyl, alkoxy, aryloxy, amino, connected to R_1 to form 5 or 6 member ring systems or connected to R_{12} to form 5 or 6 member ring systems;

R_{12} and R_{13} are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, halogen, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, thioaryl, thioalkyl, or connected to form 5 or 6 member ring systems; and

R_{14} is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, amino, connected to R_4 to form 5 or 6 member ring systems or connected to R_{13} to form 5 or 6 member ring systems.

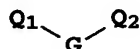
26. (Previously Presented) The multilayer electroluminescent device of claim 25 wherein the dihydrophenazine compound is contained in a layer that is adjacent to the anode.

27. (Previously Presented) The multilayer electroluminescent device of claim 25 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the anode.

28. (Previously Presented) The multilayer electroluminescent device of claim 25 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the light emitting layer.

29. (Previously Presented) The multilayer electroluminescent device of claim 25 wherein the dihydrophenazine derivative functions to improve hole-transporting and there is present in a layer between the anode and the light emitting layer a second compound that functions to improve hole transporting.

30. (Previously Presented) The multilayer electroluminescent device of claim 29 wherein the second compound is represented by:

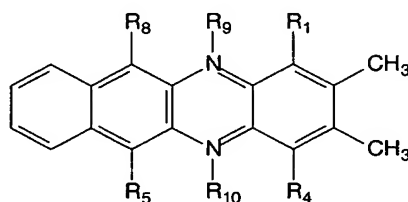


wherein Q_1 and Q_2 are independently selected aromatic tertiary amine moieties and G is a linking group or a bond.

31. (Previously Presented) The multilayer electroluminescent device of claim 29 wherein the second compound is contained in the layer adjacent to the light emitting layer.

32. (Previously Presented) The multilayer electroluminescent device of claim 29 wherein the second compound is N,N'-di(1-naphthyl)-N,N'-diphenyl-4,4'-diaminobiphenyl or N,N'-di-1-naphthalenyl-N,N'-di-2-naphthalenyl-[1,1'-Biphenyl]-4,4'-diamine.

33. (Previously Presented) A multilayer electroluminescent device comprising a cathode, an anode, a light emitting layer (LEL) and a layer disposed between the cathode and anode containing a dihydrophenazine compound represented by:



wherein:

R_1 is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, or amino;

R₄ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, or amino;

R₅ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl, substituted alkenyl, alkoxy, aryloxy, or amino;

R₈ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, or amino; and

R₉ and R₁₀ are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl.

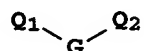
34. (Previously Presented) The multilayer electroluminescent device of claim 33 wherein the dihydrophenazine compound is contained in a layer that is adjacent to the anode.

35. (Previously Presented) The multilayer electroluminescent device of claim 33 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the anode.

36. (Previously Presented) The multilayer electroluminescent device of claim 33 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the light emitting layer.

37. (Previously Presented) The multilayer electroluminescent device of claim 33 wherein the dihydrophenazine derivative functions to improve hole-transporting and there is present in a layer between the anode and the light emitting layer a second compound that functions to improve hole transporting.

38. (Previously Presented) The multilayer electroluminescent device of claim 37 wherein the second compound is represented by:

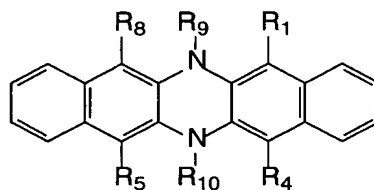


wherein Q_1 and Q_2 are independently selected aromatic tertiary amine moieties and G is a linking group or a bond.

39. (Previously Presented) The multilayer electroluminescent device of claim 37 wherein the second compound is contained in the layer adjacent to the light emitting layer.

40. (Previously Presented) The multilayer electroluminescent device of claim 37 wherein the second compound is N,N'-di(1-naphthyl)-N,N'-diphenyl-4,4'-diaminobiphenyl or N,N'-di-1-naphthalenyl-N,N'-di-2-naphthalenyl-[1,1'-Biphenyl]-4,4'-diamine.

41. (Previously Presented) A multilayer electroluminescent device comprising a cathode, an anode, a light emitting layer (LEL) and a layer disposed between the cathode and anode containing a dihydrophenazine compound represented by:



wherein:

R₁ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, or amino;

R₄ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, or amino;

R₅ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl, substituted alkenyl, alkoxy, aryloxy, or amino;

R₈ is hydrogen, halogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy, aryloxy, or amino; and

R₉ and R₁₀ are individually hydrogen, alkyl of from 1 to 24 carbon atoms, which are branched, unbranched, or cyclic, aryl or substituted aryl of from 5 to 24 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl.

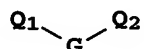
42. (Previously Presented) The multilayer electroluminescent device of claim 41 wherein the dihydrophenazine compound is contained in a layer that is adjacent to the anode.

43. (Previously Presented) The multilayer electroluminescent device of claim 41 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the anode.

44. (Previously Presented) The multilayer electroluminescent device of claim 41 wherein the dihydrophenazine compound is contained in a layer that is not adjacent to the light emitting layer.

45. (Previously Presented) The multilayer electroluminescent device of claim 41 wherein the dihydrophenazine derivative functions to improve hole-transporting and there is present in a layer between the anode and the light emitting layer a second compound that functions to improve hole transporting.

46. (Previously Presented) The multilayer electroluminescent device of claim 45 wherein the second compound is represented by:



wherein Q_1 and Q_2 are independently selected aromatic tertiary amine moieties and G is a linking group or a bond.

47. (Previously Presented) The multilayer electroluminescent device of claim 45 wherein the second compound is contained in the layer adjacent to the light emitting layer.

48. (Previously Presented) The multilayer electroluminescent device of claim 45 wherein the second compound is N,N'-di(1-naphthyl)-N,N'-diphenyl-4,4'-diaminobiphenyl or N,N'-di-1-naphthalenyl-N,N'-di-2-naphthalenyl-[1,1'-Biphenyl]-4,4'-diamine.